Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/03/2017 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124957	-1	1.06	124859	1.01
Blue	F	SSC	125000	123825	-1	2.32	124283	2.10
Blue	E	FITC	23795	23074	-4	2.31	1026	10.36
Blue	D	PE	29673	29315	-2	1.86	1055	9.70
Blue	B	PerCP-Cy5-5	48943	48322	-2	3.27	1377	17.43
Blue	A	PE-Cy7	44112	43880	-1	4.99	679	36.78
Red	C	APC	54273	53062	-3	2.71	3079	9.42
Red	A	APC-Cy7	54945	54187	-2	2.65	1125	11.36
Violet	B	V450	15756	15101	-5	3.65	725	8.63
Violet	A	V500	62569	60995	-3	3.47	2703	6.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19307	2.96	610	-4	N/A	N/A	Pass
Blue	F	SSC	61361	1.39	544	-2	N/A	N/A	Pass
Blue	E	FITC	116	38.75	548	-2	0.0202	153	Pass
Blue	D	PE	232	28.80	545	-1	0.1635	250	Pass
Blue	B	PerCP-Cy5-5	217	47.01	638	-1	0.0096	128	Pass
Blue	A	PE-Cy7	76	120.14	695	-4	0.0110	14	Pass
Red	C	APC	362	27.17	599	-1	0.0202	44	Pass
Red	A	APC-Cy7	123	41.96	579	-5	0.0054	1752	Pass
Violet	B	V450	89	39.92	471	-1	0.0487	1800	Pass
Violet	A	V500	199	21.73	499	0	0.0165	548	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.86	-31.18	0.86
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.20	13.27 - 19.91	N/A	N/A	31.24	31.82	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10966

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments